

Titan40-Hybrid

12/24V Hybrid Vehicle Battery

Battery Overview

This heavy-duty, high-capacity battery is designed to deliver maximum performance in demanding applications, while remaining extremely durable. The Titan40-Hybrid is the first battery of its kind the world with both a 12V and 24V terminals. The battery is fitted with a sophisticated internal management system, ensuring the highest level of performance over the lifespan of the battery. The Titan40-Hybrid can endure extreme bumps and knocks, designed for use in extreme environments in military vehicle applications.

The Titan40-Hybrid 's quick charge capability ensures no downtime, providing clients maximum availability (100%) and unmatched reliability when it counts. The battery's operating temperatures allow for reliable performance in various conditions, accommodating extreme positive and negative temperatures as specified in the datasheet.

Suitable For

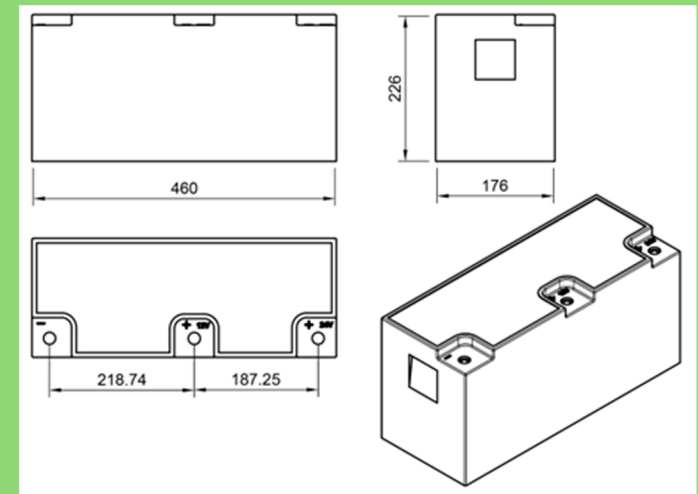
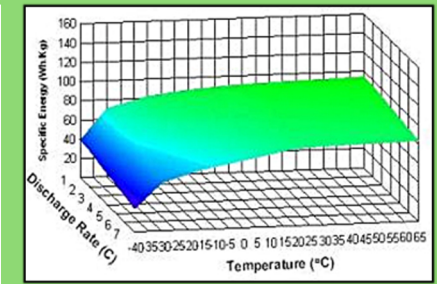
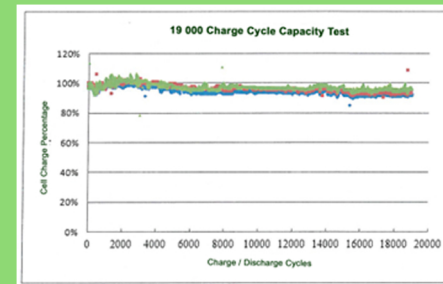
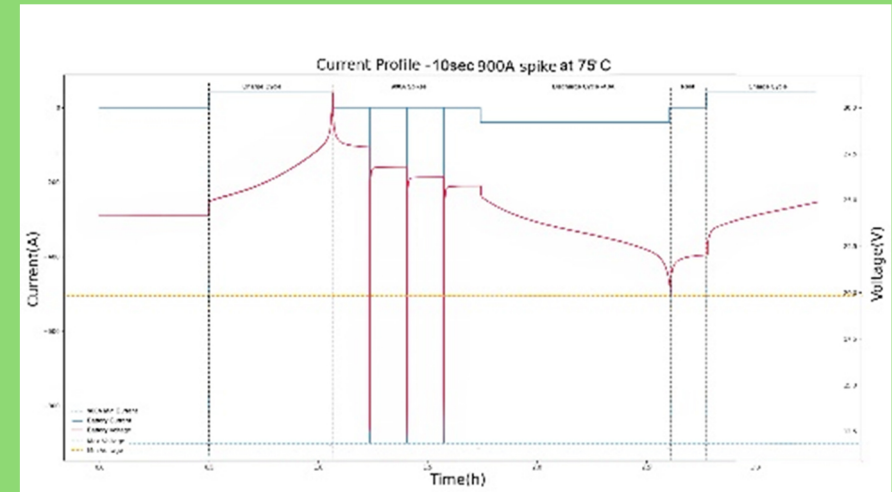
- Defence Vehicles
- Weapon Systems
- Mobile weapon platforms
- Air defence systems
- Mrap Vehicles
- Mobile Artillery vehicles
- Surveillance systems
- Communications systems



Main Features

- Available in 24V 40Ah
- High Safety
- Fast charge
- Long cycle life – 20 000-30 000
- Wide temperature range
- Battery Management
- Excellent vibration resistance
- Very high instantaneous power delivery
- Standard 5-year warranty

Battery Specifications		Titan40-Hybrid
Battery Modules		MTP-Hybrid
Chemical Technology		Lithium Titanate Oxide
Chemical Composition		Li_2TiO_3
Nominal Battery Capacity		40 Ah
Nominal Cold Crank Amperage		900 A
Max Discharge Current		1600A
Nominal Battery Voltage		Dual 25,3V & 13.8V output
Working Efficiency		0.94
Standard Charging method		CC/CV
Charging time		Standard 24V Charge at 20A (0.5C): 2 hours Fast Charge at 200A (5C): 15 Minutes Rapid Charge at 400A (10C) < 10 Minutes
Charging (CC-CV)	Max Charge Current	10C
	Charge Upper Voltage Limit	30,8V
Discharge	Max Constant Discharge	10C
	Discharge Lower Voltage Limit	19,8V
Operational Thermal Ambient	Charging	-40°C ~ 75°C
	Discharging	-40°C ~ 75°C
Storage Thermal Ambient	Short-Term (1 Month)	-40°C ~ 75°C
	Long-Term (Within 1 Year)	-40°C ~ 75°C
Battery Terminals (Options)		Positive: M10 x 22mm / Battery Terminals
		Negative: M10 x 22mm / Battery Terminals
Storage Humidity		<70%
Battery Weight		25.2Kg
Battery Dimension		W460 x H226x D176mm
Cycle Life		> 25 000 times



Mega-Titan Power (PTY), Republic of South Africa
Web: www.megatitan.co.za | Phone: +27 (0)82 082 1414
Email: power@megatitan.co.za